

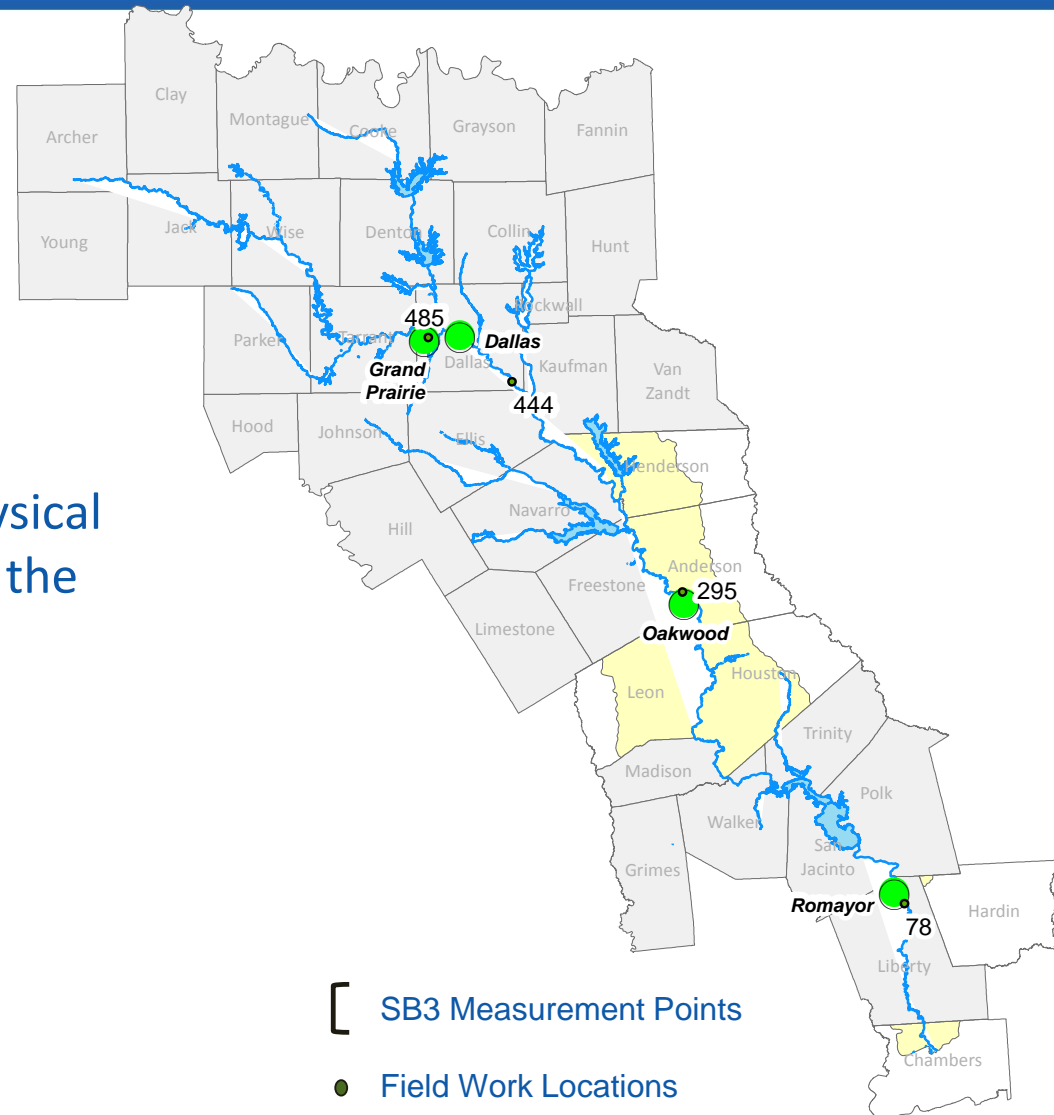
## Environmental Flows Assessment, Phase II

BBASC Update, 2017



# Background

- Research Question:
  - Evaluate the instream physical and ecological impacts of the SB3 Flow Standards.



# SB3 Adopted Flow Standards

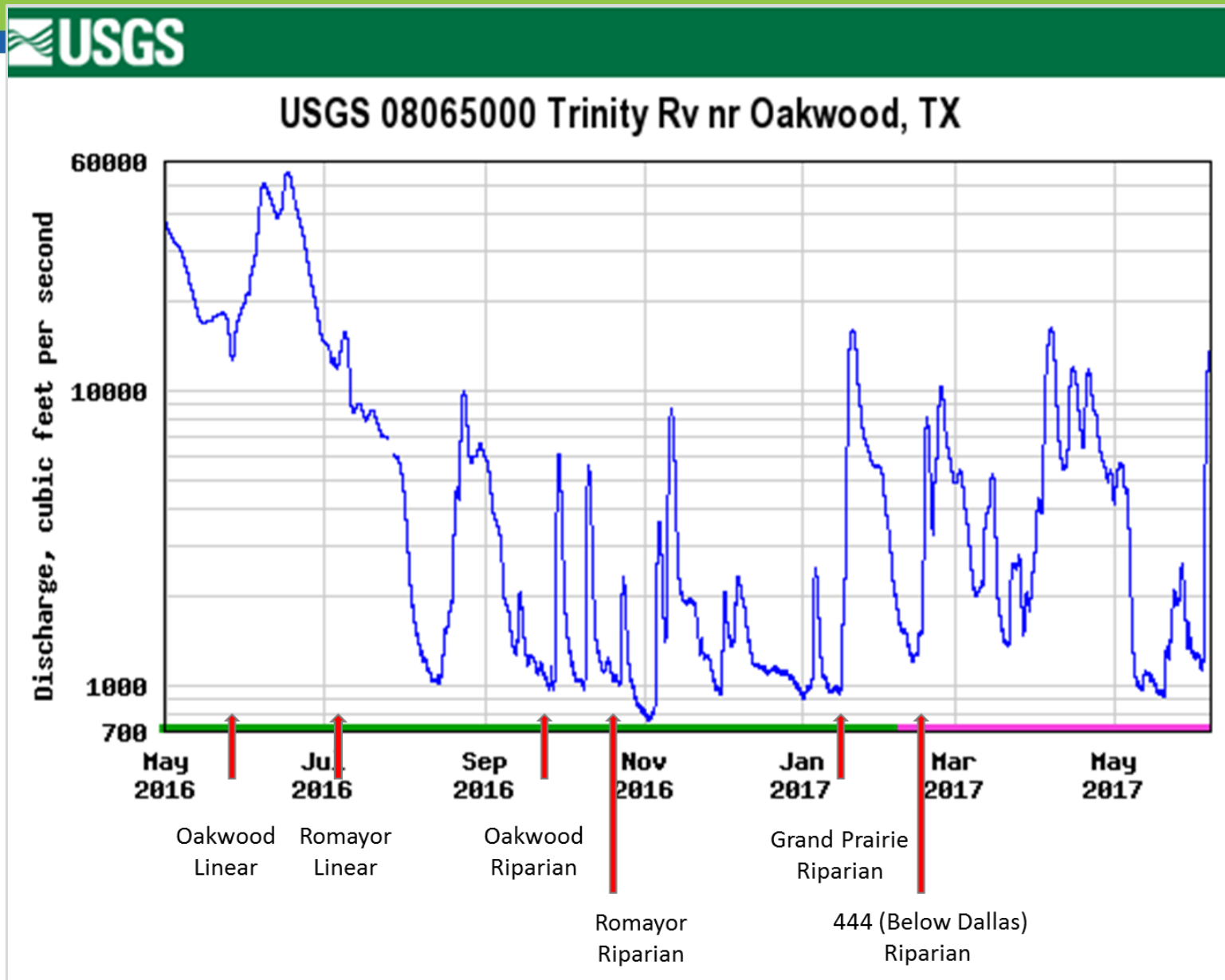
	8049500				8049500				
	Grand Prairie				Dallas				
Season	Subsistence cfs	Base cfs	Pulse cfs		Season	Subsistence cfs	Base cfs	Pulse cfs	
Winter	19 cfs	45 cfs	Trigger	300 cfs	Winter	26 cfs	50 cfs	Trigger	700 cfs
			Volume	3,500 af				Volume	3,500 af
			Duration	4 days				Days	3 days
Spring	25 cfs	45 cfs	Trigger	1,200 cfs	Spring	37 cfs	70 cfs	Trigger	4,000 cfs
			Volume	8,000 af				Volume	40,000 af
			Days	8 days				Days	9 days
Summer	23 cfs	35 cfs	Trigger	300 cfs	Summer	22 cfs	40 cfs	Trigger	1,000 cfs
			Volume	1,800 af				Volume	8,500 af
			Days	3 days				Days	5 days
Fall	21 cfs	35 cfs	Trigger	300 cfs	Fall	15 cfs	50 cfs	Trigger	1,000 cfs
			Volume	1,800 af				Volume	8,500 af
			Days	3 days				Days	5 days
	8065000				8066500				
	Oakwood				Romayor				
Season	Subsistence cfs	Base cfs	Pulse cfs		Season	Subsistence cfs	Base cfs	Pulse cfs	
Winter	120 cfs	340 cfs	Trigger	3,000 cfs	Winter	495 cfs	875 cfs	Trigger	8,000 cfs
			Volume	18,000 af				Volume	80,000 af
			Days	5 days				Days	7 days
Spring	160 cfs	450 cfs	Trigger	7,000 cfs	Spring	700 cfs	1150 cfs	Trigger	10,000 cfs
			Volume	130,000 af				Volume	150,000 af
			Days	11 days				Days	9 days
Summer	75 cfs	250 cfs	Trigger	2,500 cfs	Summer	200 cfs	575 cfs	Trigger	4,000 cfs
			Volume	23,000 af				Volume	60,000 af
			Days	5 days				Days	5 days
Fall	100 cfs	260 cfs	Trigger	2,500 cfs	Fall	230 cfs	625 cfs	Trigger	4,000 cfs
			Volume	23,000 af				Volume	60,000 af
			Days	5 days				Days	5 days

# Contract Tasks

- Task I – Collect field data (99.5%)
- Task II – Data Processing and Analysis (45%)
- Task III – Coordinate with other instream study efforts (75%)



# Task I – Collect Field Data, 99.5%



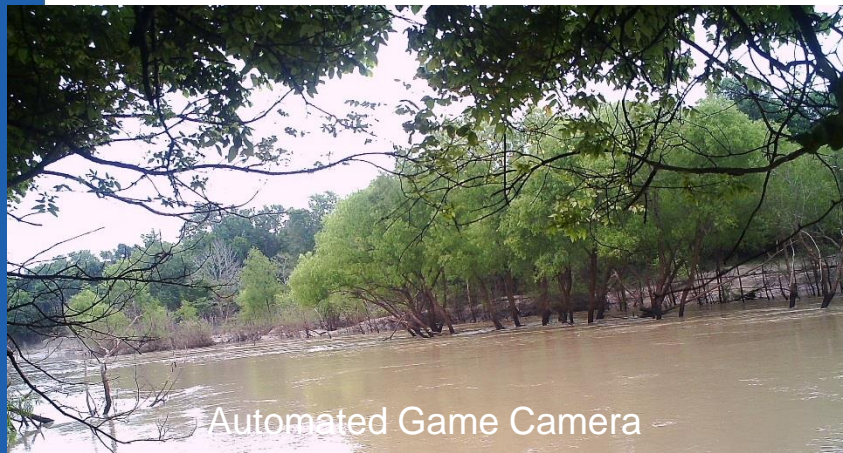




Linear Habitat



Benchmarks



Automated Game Camera



Riparian



Bathymetry



Sediment





Topo Survey

# Task I – Collect Field Data, 99.5%

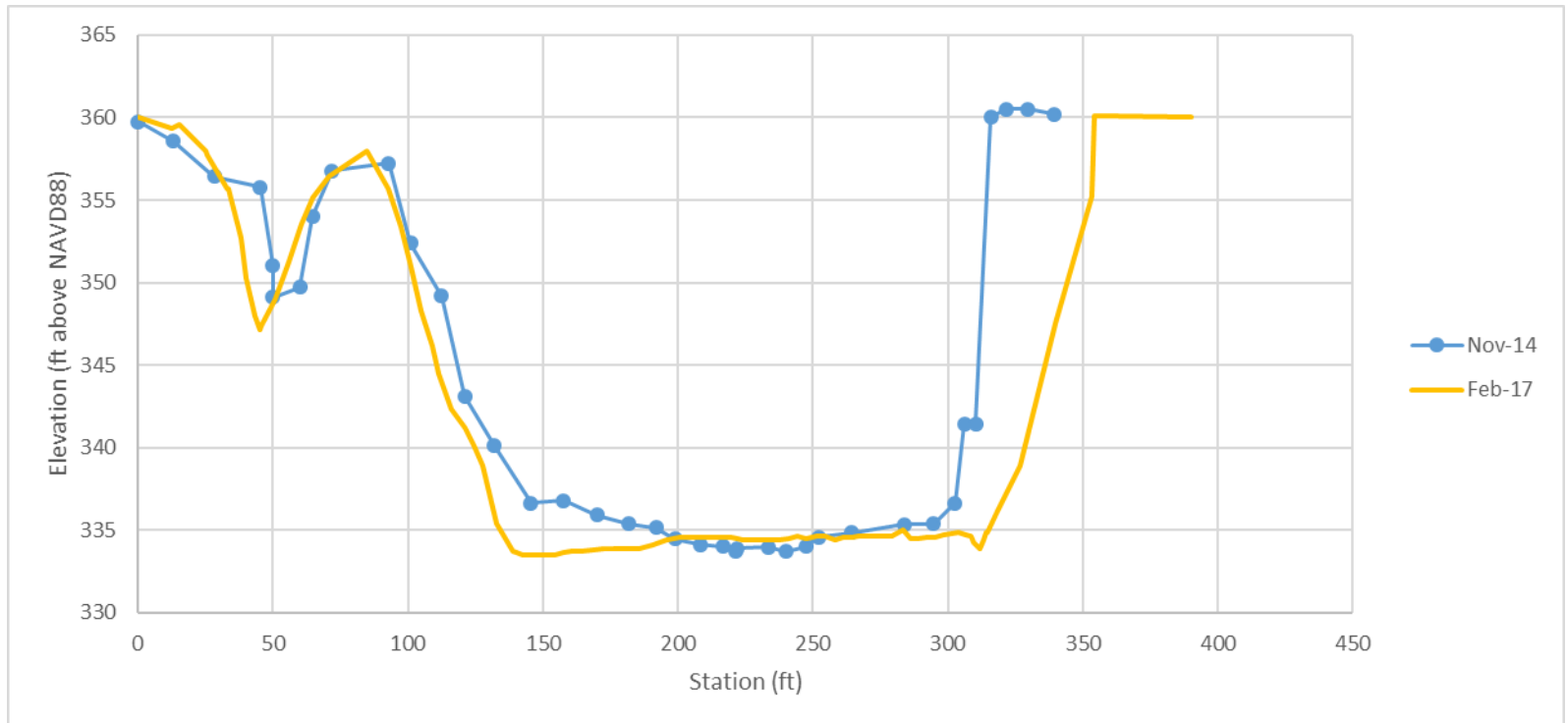
- What's the missing 0.5%?
  - Pressure Transducers at RM 444 (Below Dallas Surrogate)
- 50/50 Chance of Recovery
  - High Flows
  - One-arm Joe





# Task II – Data Processing and Analysis, 45%

RM 444, Cross-section 3



June 2015, RM 444  
~ 65,000 cfs





# Task II – Data Analysis & Reporting, 45%

## Benchmarks





# Task II – Data Analysis & Reporting, 45%



# Task III – Coordinate with Other Basins, 75%

- TCEQ regarding SWQMIS
- Met with BioWest, contractor for the Brazos BBASC, Colorado & Lavaca BBASC, and the Guadalupe, San Antonio, Mission, and Aransas Rivers BBASC
  - Attended meeting regarding riparian methodology
  - Will present at their next Workgroup meeting
- Coordinated with BRA to attend field work, rained out.
  - Reschedule in progress

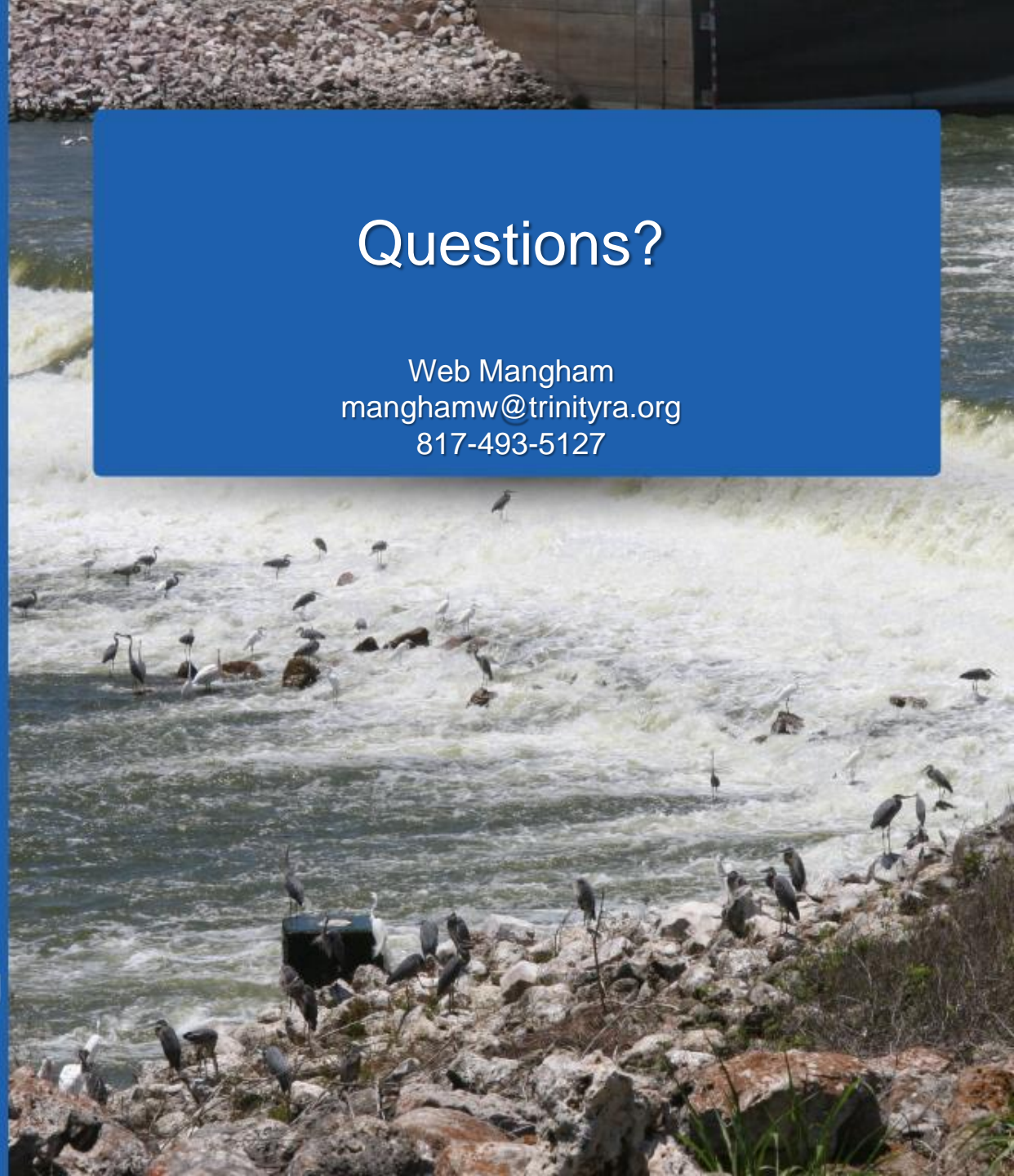


# Summary

- Modeling and analysis is full steam ahead.
- Report is on schedule for August 31, 2017 delivery.







# Questions?

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